

Appl. No. 10/782,029
Atty. Docket No. 9548
Amdt. dated October 10, 2005
Reply to Office Action of August 18, 2005
Customer No. 27752

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended) A differential density fibrous structure comprising two or more regions that differ in density and a structural aspect ratio of greater than 1.5 wherein the fibrous structure exhibits a modulus to tensile strength ratio as defined below:

$$\frac{ARD_{90M}}{ARD_{90T}} < 15$$

wherein ARD_{90M} is the modulus measured perpendicular to the direction the structural aspect ratio is measured; and ARD_{90T} is the tensile strength measured perpendicular to the direction the structural aspect ratio is measured.

Claim 2 (Original) The differential density fibrous structure according to Claim 1 wherein the modulus to tensile strength ratio is less than about 10.

Claim 3 (Original) The differential density fibrous structure according to Claim 1 wherein the modulus to tensile strength ratio is less than about 7.

Claim 4 (Original) The differential density fibrous structure according to Claim 1 wherein the structural aspect ratio is greater than about 2.

Claim 5 (Original) The differential density fibrous structure according to Claim 1 wherein the structural aspect ratio is greater than about 4.

Claim 6 (Original) The differential density fibrous structure according to Claim 1 wherein the modulus to tensile strength ratio is less than about 10 and the structural aspect ratio is greater than about 2.

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Claim 7 (Original) The differential density fibrous structure according to Claim 1 wherein the modulus to tensile strength ratio is less than about 10 and the structural aspect ratio is greater than about 4.

Claim 8 (Original) The differential density fibrous structure according to Claim 1 wherein the modulus to tensile strength ratio is less than about 7 and the structural aspect ratio is greater than about 2.

Claim 9 (Original) The differential density fibrous structure according to Claim 1 wherein the modulus to tensile strength ratio is less than about 7 and the structural aspect ratio is greater than about 4.

Claim 10 (Original) The differential density fibrous structure according to Claim 1 wherein the differential density fibrous structure further comprises an ingredient selected from the group consisting of temporary wet strength resins, softening agents and mixtures thereof.

Claim 11 (Original) The differential density fibrous structure according to Claim 1 wherein the differential density fibrous structure comprises an undulatory surface.

Claim 12 (Original) The differential density fibrous structure according to Claim 1 wherein the differential density fibrous structure comprises two or more layers of fibers.

Claim 13 (Original) The differential density fibrous structure according to Claim 12 wherein at least one of the two or more layers has an average fiber length, L, of greater than or equal to 1.5 mm and at least one of the other layers has an average fiber length, L, of less than 1.5 mm.

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Claim 14 (Original) The differential density fibrous structure according to Claim 13 wherein the at least one of the two or more layers having an average fiber length, L, of greater than or equal to 1.5 mm is positioned between two layers having an average fiber length, L, of less than 1.5 mm.

Claim 15 (Original) A single- or multi-ply sanitary tissue product comprising a differential density fibrous structure according to Claim 1.

Claim 16 (Currently amended) A differential density fibrous structure having an average fiber length, L, of less than 2 mm, the fibrous structure comprising two or more regions that differ in density and a maximum stretch of less than about 15% wherein the differential density fibrous structure exhibits a modulus to tensile strength ratio as defined below:

$$\frac{\text{MSD M}}{\text{MSD T}} < 15$$

wherein MSD M is the modulus measured in the direction of the maximum stretch; and MSD T is the tensile strength measured in the direction of the maximum stretch.

Claim 17 (Original) The differential density fibrous structure according to Claim 16 wherein the modulus to tensile strength ratio is less than about 10.

Claim 18 (Original) The differential density fibrous structure according to Claim 16 wherein the modulus to tensile strength ratio is less than about 7.

Claim 19 (Original) The differential density fibrous structure according to Claim 16 wherein the maximum stretch is less than about 12.5%.

Claim 20 (Original) The differential density fibrous structure according to Claim 16 wherein the maximum stretch is less than about 10%.

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Claim 21 (Original) The differential density fibrous structure according to Claim 16 wherein the modulus to tensile strength ratio is less than about 10 and the maximum stretch is less than about 12.5%.

Claim 22 (Original) The differential density fibrous structure according to Claim 16 wherein the modulus to tensile strength ratio is less than about 10 and the maximum stretch is less than about 10%.

Claim 23 (Original) The differential density fibrous structure according to Claim 16 wherein the modulus to tensile strength ratio is less than about 7 and the maximum stretch is less than about 12.5%.

Claim 24 (Original) The differential density fibrous structure according to Claim 16 wherein the modulus to tensile strength ratio is less than about 7 and the maximum stretch is less than about 10%.

Claim 25 (Original) The differential density fibrous structure according to Claim 16 wherein the differential density fibrous structure further comprises an ingredient selected from the group consisting of temporary wet strength resins, softening agents and mixtures thereof.

Claim 26 (Original) The differential density fibrous structure according to Claim 16 wherein the differential density fibrous structure comprises an undulatory surface.

Claim 27 (Original) The differential density fibrous structure according to Claim 16 wherein the differential density fibrous structure comprises two or more layers of fibers.

Claim 28 (Original) The differential density fibrous structure according to Claim 27 wherein at least one of the two or more layers has an average fiber length, L, of greater than or equal to 1.5 mm and at least one of the other layers has an average fiber length, L, of less than 1.5 mm.

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Claim 29 (Original) The differential density fibrous structure according to Claim 28 wherein the at least one of the two or more layers having an average fiber length, L, of greater than or equal to 1.5 mm is positioned between two layers having an average fiber length, L, of less than 1.5 mm.

Claim 30 (Original) The differential density fibrous structure according to Claim 16 wherein the average fiber length, L, is less than about 1.8 mm.

Claim 31 (Original) A single- or multi-ply sanitary tissue product comprising a differential density fibrous structure according to Claim 16.